

Title (en)
AUGMENTED IMAGING USING A SILHOUETTE TO IMPROVE CONTRAST

Title (de)
VERGRÖSSERTES BILD MIT EINER SILHOUETTE ZUR KONTRASTVERBESSERUNG

Title (fr)
UNITE D'IMAGERIE ELARGIE UTILISANT UNE SILHOUETTE POUR AMELIORER LE CONTRASTE

Publication
EP 1049959 A4 20100217 (EN)

Application
EP 99901313 A 19990113

Priority
• US 9900142 W 19990113
• US 975998 A 19980120

Abstract (en)
[origin: US5913591A] An augmented display includes an image display source and a silhouette display source. The image display source generates a virtual image to be perceived by a viewer. The silhouette display source occurs in the path of the background light. The silhouette display source generates a mask corresponding to the image content of the image display. The mask is a darkened area reducing or blocking background light. As the light from the virtual image is overlaid onto the background, there is less background light in the portion where the image appears.

IPC 1-7
G03B 21/14

IPC 8 full level
G03B 21/14 (2006.01); **G02B 27/01** (2006.01); **G02B 27/00** (2006.01)

CPC (source: EP KR US)
G02B 27/01 (2013.01 - EP US); **G02B 27/0101** (2013.01 - KR); **G03B 21/142** (2013.01 - KR); **G03B 21/28** (2013.01 - KR); **G06T 19/006** (2013.01 - KR); **G02B 2027/0118** (2013.01 - EP KR US); **G02B 2027/014** (2013.01 - KR)

Citation (search report)
• [X] US 5421589 A 19950606 - MONROE MARSHALL M [US]
• [X] US 5589980 A 19961231 - BASS ROBERT [US], et al
• [A] US 5282027 A 19940125 - TANIGAKI YASUSHI [JP], et al
• See references of WO 9936828A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
US 5913591 A 19990622; AU 2104099 A 19990802; CA 2312312 A1 19990722; CA 2312312 C 20021231; EP 1049959 A1 20001108; EP 1049959 A4 20100217; IL 136594 A0 20010614; IL 136594 A 20040620; JP 2002509289 A 20020326; KR 20010015901 A 20010226; US 2001033366 A1 20011025; US 6220711 B1 20010424; US 6257727 B1 20010710; WO 9936828 A1 19990722

DOCDB simple family (application)
US 975998 A 19980120; AU 2104099 A 19990113; CA 2312312 A 19990113; EP 99901313 A 19990113; IL 13659499 A 19990113; JP 2000540479 A 19990113; KR 20007007623 A 20000711; US 18973898 A 19981110; US 56937900 A 20000511; US 88247701 A 20010613; US 9900142 W 19990113